

into nearly equal costæ. The pygidium and ventral surface are rather thickly clothed with stiff brown hairs, and extremely minute hairs may be detected also upon the upper surface, but these are not at all evident.

This insect brings the number of described species of the genus *Myoderma* to eight, of which seven have been discovered since the publication of the Munich Catalogue.

BIBLIOGRAPHICAL NOTICE.

Zoological Gleanings from the Royal Indian Marine Survey Ship 'Investigator.' By A. W. ALCOCK. Simla, 1901. 4to. (Reprint from the Scientific Memoirs by Medical Officers of the Army, India. Part XII., pp. 35-76.)

MANY of the biological observations made through the medium of the 'Investigator' are buried in reports not readily accessible, and many are scattered among systematic papers where they are easily overlooked. Major Alcock therefore has thought it advisable to collect and classify them in a summary, together with other hitherto unpublished facts selected from his Journal.

Biological students are much indebted to Major Alcock for thus having brought this miscellaneous information within their reach, and we think it but right to assist him in this service to science by placing before the readers of the 'Annals' a list of the contents of this collection of observations:—

- I. Illustrations of Commensalism among: 1. Sponges; 2. Zoophytes; 3. Echinoderms; 4. Crustaceans; 5. Mollusca; 6. Fishes.
- II. Notes on Sexual Characters, Pairing, and Viviparity among Marine Animals:—
 1. Pairing and Parental Care among Echinoderms.
 2. On Secondary Sexual Characters and Pairing among Crustaceans.
 3. On certain Primary Sexual Characters in certain Bony Fishes.
 4. On certain Secondary Sexual Characters in certain Bony Fishes.
 5. On Pairing among Eels.
 6. On Viviparous Bony Fishes.
 7. On Viviparous Elasmobranch Fishes.
- III. On the Sounds made by certain Marine Animals: 1, by Crustaceans; 2, by Fishes.
- IV. Miscellaneous Notes on Stalk-eyed Crustaceans:—
 1. The early Larval Stages of *Hippa asiatica*, *Thenus orientalis*, and *Nephrops andamanica*.
 2. On some curious Habits of Land Hermit-crabs.

3. On the Courting Attitudes of the Fiddler-crab, *Gelasimus annulipes*.
 4. On the Habits of some Indian Species of Ocypode Crabs.
 5. Some Protective Disguises among Higher Crustacea.
 6. On the Geographical Distribution of *Varuna literata*, *Plagusia squamosa*, and *Carcinus mænas*.
 - V. Some Instances of Protective and Warning Coloration.
 - VI. On the Phosphorescence of certain Marine Invertebrates.
 - VII. Notes on some Peculiarities of Food.
 - VIII. Stray Notes on Sauropsida (hatching of Green Turtles; a flightless race of Crow-pheasant; a colony of breeding Terns attacked by Crabs; &c.).
- A. G.

MISCELLANEOUS.

Marine Biological Association of the West of Scotland. (*Marine Station, Keppel Pier, Millport.*)

THE General Committee of this Association are in a position to offer the following Prizes, to be called the "FRED. P. PULLAR MEMORIAL PRIZES," offered by Sir JOHN MURRAY, the Honorary President of the Association, in memory of the late FRED. P. PULLAR, who was associated with him in the Bathymetrical Survey of the Scottish Freshwater Lochs, who took much interest in the Millport Marine Station, and who lost his life in the unfortunate ice accident on Airthrey Loch, Bridge of Allan, on the 15th February, 1901:—

(1) a Prize of £50 for a Paper on "The Seasonal Distribution and Development of Pelagic Algæ in the Waters of the Clyde Sea Area";

(2) a Prize of £50 for a Paper on "The Reproduction, Development, and Distribution in the Clyde Sea Area of the Genera *Nyctiphanes* and *Boreophausia*";

(3) a Prize of £50 for a Paper on "The Formation and Distribution of Glauconite in the Deposits of the Clyde Sea Area and the adjacent Seas of Scotland." These Prizes are open to investigators from any part of the world who conduct observations in the several subjects at the Millport Marine Station, and who produce, at any time before 1st January, 1905, papers which, in the opinion of a Committee of three scientific men, to be nominated by the Committee of the Association and by Sir John Murray, shall be deemed of sufficient value to merit publication.

Those proposing to work for any one of these Prizes should make known their intention to the Secretary of the Association, in order that the necessary arrangements may be made.

JOHN A. TODD, *Hon. Sec.*

190 West George Street, Glasgow,
July 1901.